Nuclear Engineering and Design 111 (1989) 403–405
North-Holland, Amsterdam

AUTHOR INDEX TO VOLUME 111

Acker, D., see Clément 111 (1989) 209
Atluri, S.N., see Nishioka 111 (1989) 109
Atluri, S.N., see Yoshimura 111 (1989) 273

Bartholomé, G., R.W. Bieselt and M. Erve, LBB for KWU-plants 111 (1989) 3
Bieselt, R.W., see Bartholomé 111 (1989) 3
Brückner-Foit, A., R. Grunmach and D. Munz, Evaluation of tests of pipes with circumferential cracks based on the limit load concept 111 (1989) 11

Castle, W.R., see Jaquay 111 (1989) 311
Cheng, S.C., see Tang 111 (1989) 371
Clément, G., D. Acker and J. Lebey, A practical rule for progressive buckling 111 (1989) 209
Combescure, A. and E. Pernette, Linear and nonlinear buckling of discrete supported cooling towers using special axisymmetric shell elements 111 (1989) 217

Danisch, R., see Natke 111 (1989) 265
Delinic, K., see Natke 111 (1989) 265

Endoh, T., see Okazaki 111 (1989) 123
Erve, M., see Bartholomé 111 (1989) 3

Fitch, J.R., An efficient static correction algorithm with application to the hydrodynamic loading of thin shell structures 111 (1989) 227
Fujimoto, T., see Nishioka 111 (1989) 109
Fukuda, S., Analysis of crack propgation in residual stress field using computer algebra 111 (1989) 21
Furuya, S., see Umemoto 111 (1989) 159

Grunmach, R., see Brückner-Foit 111 (1989) 11

Hao, H., C.S. Oliveira and J. Penzien, Multiple-station ground motion processing and simulation based on SMART-1 array data 111 (1989) 293
Hojo, K., see Nagano 111 (1989) 77

Itoh, M., see Kato 111 (1989) 327

Jaquay, K.R., W.R. Castle, J.E. Larson and H.T. Tang, Incremental-hinge piping analysis methods for inelastic seismic response prediction 111 (1989) 311

Kamagata, S., see Kobori 111 (1989) 351
Kameswara Rao, C. and S. Mirza, Seismic analysis of high-speed rotating machinery 111 (1989) 395
Kanayama, H., see Kobori 111 (1989) 351
Kaneko, M., see Kato 111 (1989) 327
Kato, A., see Kato 111 (1989) 327
Kato, M., Y. Watanabe, A. Kato, T. Takeda, T. Tsunoda, T. Yamaguchi, M. Itoh, Y. Yasui, K. Wakamatsu, M. Kaneko, O. Kurimoto, M. Nakamura, T. Kuno, A. Miyamoto, H. Murahashi and M. Yamamoto, Forced vibration tests on the reactor building of Tsuruga Unit No. 2 Nuclear Power Station 111 (1989) 327
Kee, B.L., see Nathwani 111 (1989) 85
Kim, C.S., see Nathwani 111 (1989) 85
Kisielewicz, L.T., The INGECAD multidisciplinary integrated Computer Aided Engineering system 111 (1989) 233
Knowles, N.C., M.J.S. Lowe and D. Piper, An update on project COSA 111 (1989) 243
Kobayashi, H., M. Yoshida and Y. Ochi, Dynamic response of piping system on rack structure with gaps and frictions 111 (1989) 341
Kobayashi, T. and M. Niinomi, Evaluation of dynamic crack initiation and growth toughness by Computer Aided Charpy Impact Testing System 111 (1989) 27
Kobori, T., H. Kanayama and S. Kamagata, Active seismic response control systems for nuclear power plant equipment facilities 111 (1989) 351
König, G. and J.-D. Wörner, Damping in piping systems due to local nonlinearities 111 (1989) 357
Kozluk, M.J., see Nathwani 111 (1989) 85
Kuno, T., see Kato 111 (1989) 327
Kurimoto, O., see Kato 111 (1989) 327

Larson, J.E., see Jaquay 111 (1989) 311
Lebey, J., see Clément 111 (1989) 209
Lee, S.K., see Tang 111 (1989) 371
Leo, R., and M. Mazzoli, Multilevel dynamic substructure iteration method (iterative eigensolution of a multilevel substructure system) 111 (1989) 251

Lin, E., see Tang 111 (1989) 371
Lowe, M.J.S., see Knowles 111 (1989) 243

Maricchiolo, C. and P.P. Milella, Fracture behaviour of carbon steel pipes containing circumferential cracks at room temperature and 300 ° 111 (1989) 35
Maricchiolo, C. and P.P. Milella, Prediction of leak areas and experimental verification on carbon and stainless steel pipes 111 (1989) 47
Matsushima, E., see Yano 111 (1989) 197
Mazzoli, M., see Leo 111 (1989) 251
Milella, P.P., G. Pino and F.D. Rossi, Use of dynamic stress-strain characteristic in the prediction of stainless and carbon steel pipe response 111 (1989) 55
Milella, P.P., see Maricchiolo 111 (1989) 35
Milella, P.P., see Maricchiolo 111 (1989) 47
Mirza, S., see Kameswara Rao 111 (1989) 395
Miyamoto, A., see Kato 111 (1989) 327
Miyazono, S., see Shibata 111 (1989) 135
Mukherjee, B., Observations on the effect of post-weld heat treatment on *J*-resistance curves of SA-106B seamless piping welds 111 (1989) 63
Munz, D., see Brückner-Foit 111 (1989) 11
Murahashi, H., see Kato 111 (1989) 327

Nagano, T., M. Ohashi, Y. Urabe and K. Hojo, Crack extentsion of center cracked plate subjected to tension and through-wall cracked pipe subjected to bending 111 (1989) 77
Nakamura, M., see Kato 111 (1989) 327
Nathwani, J.S., B.L. Kee, C.S. Kim and M.J. Kozluk, Ontario Hydro's leak before break approach: Application to the Darlington (CANDU) Nuclear Generating Station A 111 (1989) 85
Natke, H.G., R. Danisch and K. Delinic, Condensation methods for the dynamic analysis of large models 111 (1989) 265
Niinomi, M., see Kobayashi 111 (1989) 27
Nishioka, T., T. Fujimoto and S.N. Atluri, On the path independent T^* integral in nonlinear and dynamic fracture mechanics 111 (1989) 109

Ochi, Y., see Kobayashi 111 (1989) 341
Ohashi, M., see Nagano 111 (1989) 77
Okamoto, A., see Yano 111 (1989) 197
Okazaki, M., T. Yada and T. Endoh, Surface small crack growth behavior in low-cycle fatigue at elevated temperature and applications limit of macroscopic crack growth law 111 (1989) 123
Oliveira, C.S., see Hao 111 (1989) 293
Onizawa, K., see Shibata 111 (1989) 135

Penzien, J., see Hao 111 (1989) 293
Pernette, E., see Combescure 111 (1989) 217
Pino, G., see Milella 111 (1989) 55
Piper, D., see Knowles 111 (1989) 243

Rossi, F.D., see Milella 111 (1989) 55

Scott, P.M., see Wilkowski 111 (1989) 173
Shibata, K., Y. Yasuda, K. Onizawa and S. Miyazono, Evaluation of JAERI's ductile pipe fracture test results on stainless steel and carbon steel piping 111 (1989) 135
Shimakawa, T., Y. Takahashi and G. Yagawa, Round-robin activities on finite element analyses of elastic-plastic fracture in Japan 111 (1989) 147
Stepp, J.C., see Tang 111 (1989) 371
Stevenson, J.D., Further development of the Load Coefficient Method, LCM, for rational seismic design of nuclear facilities 111 (1989) 363

Takahashi, Y., see Shimakawa 111 (1989) 147
Takeda, T., see Kato 111 (1989) 327
Tang, H.T., see Jaquay 111 (1989) 311
Tang, H.T., Y.K. Tang, J.C. Stepp, I.B. Wall, E. Lin, S.C. Cheng and S.K. Lee, A large-scale soil–structure interaction experiment: Design and construction 111 (1989) 371
Tang, Y.K., see Tang 111 (1989) 371
Tsunoda, T., see Kato 111 (1989) 327

Ueda, H., see Yagawa 111 (1989) 189
Umemoto, T. and S. Furuya, A simplified approach to assess weld residual stress distribution through pipe wall 111 (1989) 159
Urabe, Y., see Nagano 111 (1989) 77

Wakamatsu, K., see Kato 111 (1989) 327
Wall, I.B., see Tang 111 (1989) 371
Watanabe, Y., see Kato 111 (1989) 327
Wilkowski, G.M. and P.M. Scott, A statistical based circumferentially cracked pipe fracture mechanics analysis for design or code implementation 111 (1989) 173
Wolf, J.P., Soil–structure-interaction analysis in time domain 111 (1989) 381
Wörner, J.-D., see König 111 (1989) 357

Yada, T., see Okazaki 111 (1989) 123
Yagawa, G. and H. Ueda, Behaviour of surface crack in plates subjected to tensile loads: Analysis based on fully plastic solutions 111 (1989) 189
Yagawa, G., see Shimakawa 111 (1989) 147
Yagawa, G., see Yoshimura 111 (1989) 273
Yamaguchi, T., see Kato 111 (1989) 327
Yamamoto, M., see Kato 111 (1989) 327
Yano, T., E. Matsushima and A. Okamoto,

Evaluation of leak flow rate and jet impingement related to leak before break 111 (1989) 197
Yasuda, Y., see Shibata 111 (1989) 135
Yasui, Y., see Kato 111 (1989) 327
Yoshida, M., see Kobayashi 111 (1989) 341
Yoshimura, S., G. Yagawa and S.N. Atluri, Generation and propagation analyses of high-strain-rate dynamic crack propagation in a visco-plastic solid 111 (1989) 273

Nuclear Engineering and Design 111 (1989) 407–408
North-Holland, Amsterdam

SUBJECT INDEX TO VOLUME 111

Engineering mechanics

Analysis of crack propagation in residual stress field using computer algebra, S. Fukuda 111 (1989) 21
On the path independent T^* integral in non-linear and dynamic fracture mechanics, T. Nishioka, T. Fujimoto and S.N. Atluri 111 (1989) 109
Round-robin activities on finite element analyses of elastic-plastic fracture in Japan, T. Shimakawa, Y. Takahashi, G. Yagawa 111 (1989) 147
A simplified approach to assess weld residual stress distribution through pipe wall, T. Umemoto and S. Furuya 111 (1989) 159
A practical rule for progressive buckling, G. Clément, D. Acker and J. Lebey 111 (1989) 209
Linear and nonlinear buckling of discrete supported cooling towers using special axisymmetric shell elements, A. Combescure and E. Pernette 111 (1989) 217
An efficient static correction algorithm with application to the hydrodynamic loading of thin shell structures, J.R. Fitch 111 (1989) 227
The INGECAD multidisciplinary integrated Computer Aided Engineering system, L.T. Kisielewicz 111 (1989) 233
An update on project COSA, N.C. Knowles, M.J.S. Lowe and D. Piper 111 (1989) 243
Multilevel dynamic substructure iteration method (iterative eigensolution of a multilevel substructure system), R. Leo and M. Mazzoli 111 (1989) 251
Condensation methods for the dynamic analysis of large models, H.G. Natke, R. Danisch and K. Delinič 111 (1989) 265
Generation and propagation analyses of high-strain-rate dynamic crack propagation in a visco-plastic solid, S. Yoshimura, G. Yagawa and S.N. Atluri 111 (1989) 273
Multiple-station ground motion processing and simulation based on SMART-1 array data, H. Hao, C.S. Oliveira and J. Penzien 111 (1989) 293
Incremental-hinge piping analysis methods for inelastic seismic response prediction, K.R. Jaquay, W.R. Castle, J.E. Larson and H.T. Tang 111 (1989) 311
Forced vibration tests on the reactor building of Tsuruga Unit No. 2 Nuclear Power Station, M. Kato, Y. Watanabe, A. Kato, T. Takeda, T. Tsunoda, T. Yamaguchi, M. Itoh, Y. Yasui, K. Wakamatsu, M. Kaneko, O. Kurimoto, M. Nakamura, T. Kuno, A. Miyamoto, H. Murahashi and M. Yamamoto 111 (1989) 327
Dynamic response of piping system on rack structure with gaps and frictions, H. Kobayashi, M. Yoshida and Y. Ochi 111 (1989) 341
Active seismic response control systems for nuclear power plant equipment facilities, T. Kobori, H. Kanayama and S. Kamagata 111 (1989) 351
Damping in piping systems due to local non-linearities, G. König, J.-D. Wörner 111 (1989) 357
Further development of the Load Coefficient Method, LCM, for rational seismic design of nuclear facilities, J.D. Stevenson 111 (1989) 363
A large-scale soil–structure interaction experiment: Design and construction, H.T. Tang, Y.K. Tang, J.C. Stepp, I.B. Wall, E. Lin, S.C. Cheng and S.K. Lee 111 (1989) 371
Soil–structure-interaction analysis in time domain, J.P. Wolf 111 (1989) 381
Seismic analysis of high-speed rotating machinery, C. Kameswara Rao and S. Mirza 111 (1989) 395

Materials properties

Evaluation of dynamic crack initiation and growth toughness by Computer Aided Charpy Impact Testing System, T. Kobayashi and M. Niinomi 111 (1989) 27
Fracture behaviour of carbon steel pipes containing circumferential cracks at room temperature and 300 °C, C. Maricchiolo and P.P. Milella 111 (1989) 35
Prediction of leak areas and experimental verification on carbon and stainless steel pipes, C. Maricchiolo and P.P. Milella 111 (1989) 47
Use of dynamic stress–strain characteristic in the prediction of stainless and carbon steel pipe response, P.P. Milella, G. Pino, F.D. Rossi 111 (1989) 55
Observations on the effect of post-weld heat treatment on J-resistance curves of SA-106B seamless piping welds, B. Mukherjee 111 (1989) 63
Crack extension of center cracked plate subjected to tension and through-wall cracked

pipe subjected to bending, T. Nagano, M. Ohashi, Y. Urabe and K. Hojo 111 (1989) 77
Surface small crack growth behavior in low-cycle fatigue at elevated temperature and application limit of macroscopic crack growth law, M. Okazaki, T. Yada and T. Endoh 111 (1989) 123
Evaluation of JAERI's ductile pipe fracture test results on stainless steel and carbon steel piping, K. Shibata, Y. Yasuda, K. Onizawa and S. Miyazono 111 (1989) 135
A statistical based circumferentially cracked pipe fracture mechanics analysis for design or code implementation, G.M. Wilkowski and P.M. Scott 111 (1989) 173
Behaviour of surface crack in plates subjected to tensile loads: Analysis based on fully plastic solutions, G. Yagawa and H. Ueda 111 (1989) 189

Mechanical design, component fabrication and testing

LBB for KWU-plants, G. Bartholomé, R.W. Bieselt and M. Erve 111 (1989) 3
Evaluation of tests of pipes with circumferential cracks based on the limit load concept, A. Brückner-Foit, R. Grunmach and D. Munz 111 (1989) 11
Fracture behaviour of carbon steel pipes containing circumferential cracks at room temperature and 300 °C, C. Maricchiolo and P.P. Milella 111 (1989) 35
Prediction of leak areas and experimental verification on carbon and stainless steel pipes, C. Maricchiolo and P.P. Milella 111 (1989) 47
Use of dynamic stress–strain characteristic in the prediction of stainless and carbon steel pipe response, P.P. Milella, G. Pino, F.D. Rossi 111 (1989) 55
Observations on the effect of post-weld heat treatment on *J*-resistance curves of SA-106B seamless piping welds, B. Mukherjee 111 (1989) 63
Crack extension of center cracked plate subjected to tension and through-wall cracked pipe subjected to bending, T. Nagano, M. Ohashi, Y. Urabe and K. Hojo 111 (1989) 77
Ontario Hydro's leak before break approach: Application to the Darlington (CANDU) Nuclear Generating Station A, J.S. Nathwani, B.L. Kee, C.S. Kim, M.J. Kozluk 111 (1989) 85
Evaluation of JAERI's ductile pipe fracture test results on stainless steel and carbon steel piping, K. Shibata, Y. Yasuda, K. Onizawa and S. Miyazono 111 (1989) 135
Round-robin activities on finite element analyses of elastic-plastic fracture in Japan, T. Shimakawa, Y. Takahashi, G. Yagawa 111 (1989) 147
A simplified approach to assess weld residual stress distribution through pipe wall, T. Umemoto and S. Furuya 111 (1989) 159
A statistical based circumferentially cracked pipe fracture mechanics analysis for design or code implementation, G.M. Wilkowski and P.M. Scott 111 (1989) 173
Behaviour of surface crack in plates subjected to tensile loads: Analysis based on fully plastic solutions, G. Yagawa and H. Ueda 111 (1989) 189
Evaluation of leak flow rate and jet impingement related to leak before break, T. Yano, E. Matsushima and A. Okamoto 111 (1989) 197